DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality desert conservation PROGRAM sustainability

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MINOR SOURCE PERMIT

SOURCE ID: 18086

Flexaust Incorporated
3732 North Las Vegas Boulevard, Suite 110
Las Vegas, Nevada 89115

ISSUED ON: XXXXXXXXX **EXPIRES ON: XXXXXXXXX**

Current action: New

Issued to:
The Flexaust Company
3732 North Las Vegas Boulevard
Suite 110
Las Vegas, Nevada 89115

Responsible Official:
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General Manager
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Issued by the Clark County Department of Environment and Sustainability/Division of Air Quality in accordance with Section 12.1 of the Clark County Air Quality Regulations.

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Flexaust Incorporated is a plastic extrusion facility, located in the Hydrographic Area of 212 – Las Vegas Valley. The new facility will manufacture flexible duct hoses. Processes include extrusion of plastic materials, tape wrap of rubber coated materials, and spiral wrap of plastic materials. Scrap will also be recycled. As a plastic extrusion facility, the source is classified under SIC 3052: Rubber and Plastics Hose and Belting and NAICS 326220: Rubber and Plastics Hoses and Belting Manufacturing.

Flexaust Incorporated is a minor source of all regulated air pollutants, enforced by the Clark County Division of Air Quality. In addition, the source will not be subject to any New Source Performance Standards (NSPS) and/or National Emission Standards for Hazardous Air Pollutants (NESHAP).

SOURCE-WIDE PTE SUMMARY

The facility is a minor source of PM_{10}, $PM_{2.5}$, CO, and VOC.

Table 1. Potential to Emit (tons per year)

Pollutant	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	H_2S	Pb
Total	0.14	0.14	0	0.25	0	23.54	0	0

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COMMON ACRONYMS AND ABBREVIATIONS

(These terms may be seen in the permit)

AQR	Clark County Air Quality Regulation
CE	control efficiency
CF	control factor
CFR	Code of Federal Regulations
CO	carbon monoxide
DAQ	Division of Air Quality
EF	emission factor
EPA	U.S. Environmental Protection Agency
EU	emission unit
HAP	hazardous air pollutant
H_2S	hydrogen sulfide
NAICS	North American Industry Classification System
NO_x	nitrogen oxide
Pb	lead
$PM_{2.5}$	particulate matter less than 2.5 microns in aerodynamic diameter
PM_{10}	particulate matter less than 10 microns in aerodynamic diameter
PSD	Prevention of Significant Deterioration
PTE	potential to emit
RACT	reasonably available control technology
RICE	reciprocating internal combustion engine
SCC	Source Classification Codes
SIC	Standard Industrial Classification
SO_2	sulfur dioxide
TSD	Technical Support Document
VOC	volatile organic compound

1.0 EQUIPMENT

1.1 EMISSION UNITS

Table 1-1 is a comprehensive list of the emission units at this stationary source. The production process includes the extrusion of plastic material, tape wrap (via adhesive) of rubber coated material, and spiral wrap (via glue) of plastic material. After the production process, the leftover scraps are then recycled into granulated material. *[AQR 12.1.4.1(b)]*

Table 1-1. List of Emission Units

EU	Rating lb/hr	Description	Make	MN	SN
A01	200	Extruder X1	Berlyn	2.5 Dynamite II	129F203
A02	200	Extruder X2	Berlyn	UNEX 4.1	2248784
A03	200	Extruder X3	Flexplas	Extruder	6525PE012016
A04	200	Extruder X4	Flexplas	Extruder	6525PE022016
A05	100	Extruder X5	n/a	n/a	01239CMMS
A06	200	Extruder X6	US Extruders	US 250 / 24	20012603
A07	50	Extruder XS1	Berlyn	1.25 EXT	11.2524:1
A08	50	Extruder XS2	Berlyn	1.25 EXT	11.2524:1
A09	30	Extruder XW1	US Extruders	US 150 / 24	20012605
A10	50	Extruder CX1	US Extruders	US 150 / 24	20012605
B01	900	Genesis Grinder [1]	Hosokawa	1624 SPL	1624SPL542499
B02	190	Flexadux Grinder	Conair	813	202005104331
B03	190	Flexadux Grinder	Conair	813	202005104332
B04	190	Flexadux Grinder	Conair	813	202009104584
C01		Adhesives			

[1]equipped with add-on cyclone

1.2 INSIGNIFICANT ACTIVITIES

No insignificant activities have been identified.

1.3 NONROAD ENGINES

Pursuant to Title 40, Part 1068.30 of the Code of Federal Regulations (40 CFR Part 1068.30), nonroad engines that are portable or transportable (i.e., not used on self-propelled equipment) shall not remain at a location for more than 12 consecutive months; otherwise, the engine(s) will constitute a stationary reciprocating internal combustion engine (RICE) and be subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 60, Subpart IIII; and/or 40 CFR Part 60, Subpart JJJJ. Stationary RICE shall be permitted as emission units upon commencing operation at this stationary source. Records of location changes for portable or transportable nonroad engines shall be maintained, and shall be made available to the Control Officer upon request. These records are not required for engines owned and operated by a contractor for maintenance and construction activities as long as records are maintained demonstrating that such work took place at the stationary source for periods of less than 12 consecutive months.

Nonroad engines used on self-propelled equipment do not have this 12-month limitation or the associated recordkeeping requirements.

2.0 CONTROLS

2.1 CONTROL DEVICES

The permittee shall operate emissions control devices for individual emission units as indicated in Table 2-1 and in accordance with the control requirements listed in this permit.

Table 2-1. Summary of Add-On Control Devices

EU	Device Type	Pollutant
B01	Cyclone	PM_{10} and $PM_{2.5}$

2.2 CONTROL REQUIREMENTS

Extruders [AQR 12.1.4.1(c)&(f)]

1. The permittee shall operate each extruder (EU: A01-A10) within the range of 200° F - 600° F.

2. The permittee shall equip each extruder (EU: A01-A10) with an automatic shut-off system or an audio/visual alarm system that is set to the operating temperature range.

3. The permittee shall operate and maintain each extruder (EU: A01-A10) in accordance with the manufacturer's O&M manual for emissions-related components.

Grinders [AQR 12.1.4.1(c)&(f)]

4. The permittee shall operate and maintain each grinder (EU: B01-B04) in accordance with the manufacturer's O&M manual for emissions-related components.

Cyclone – Genesis Grinder [AQR 12.1.4.1(c)&(f)]

5. The permittee shall operate the cyclone on (EU: B01), in accordance with the manufacturer's operations and maintenance (O&M) manual for emissions-related components.

6. The permittee shall operate and maintain the cyclone on (EU: B01) to control at least 95.5 percent of particulate emissions at all times the processing equipment is in operation.

7. The permittee shall operate and maintain the pressure drop across the cyclone on (EU: B01) within the range of 1.5 to 3.5 inches of water column.

Vapors [AQR 12.1.4.1(c)&(f)]

8. The permittee shall not allow open containers to be used for storage or disposal of VOC-containing cloth or other materials (excluding masking tape and masking paper) used for surface preparation and cleanup.

9. The permittee shall ensure all containers with VOC-containing products remain securely closed except during product transfer. Containers shall be inspected regularly for leakage, and the contents of any leaking container shall be immediately transferred to an appropriately labeled container that has been specifically designed for storage of the compound.

General [AQR 12.1.4.1(c)&(f)]

10. The permittee shall not cause, suffer or allow the source to discharge air contaminants (or other material) in quantities that will cause a nuisance, including excessive odors. *[AQR 40 & AQR 43]*

11. The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow controllable particulate matter to become airborne. *[AQR 41.1.2]*

3.0 LIMITATIONS

3.1 OPERATIONAL LIMITS

1. The permittee shall limit the throughput of pellets (HDPE, LDPE, VLDPE, PVC, TPU, TPV), loaded into the extruders (EU: A01-A10), to 5,607 tons per year. *[AQR 12.1.4.1(c)&(f)]*

2. The permittee shall limit the throughput of resin (HDPE, LDPE, VLDPE, EVA), loaded into the grinder (EU: B01), to 3,942 tons per year. *[AQR 12.1.4.1(c)&(f)]*

3. The permittee shall limit the throughput of resin (HDPE, LDPE, VLDPE, EVA), loaded into the grinders (EU: B02-B04), to 2,497 tons per year. *[AQR 12.1.4.1(c)&(f)]*

4. The permittee shall limit the consumption of the VOC-containing adhesive (D1085LT) to 13,140 gallons per year, based on a VOC content of 3.17 pounds per gallon (EU: C01). In order to allow operational flexibility, sources may alter usage in gallons and VOC content as long as the PTE is not exceeded. *[AQR 12.1.4.1(c)&(f)]*

5. The permittee shall limit the consumption of the VOC-containing adhesive (D1779) to 986 gallons per year, based on a VOC content of 3.32 pounds per gallon (EU: C01). In order to allow operational flexibility, sources may alter usage in gallons and VOC content as long as the PTE is not exceeded. *[AQR 12.1.4.1(c)&(f)]*

3.2 EMISSION LIMITS

1. The permittee shall not allow the actual emissions from the stationary source to exceed the PTE listed per year in Table 3-1, except for emission units intended only for use in emergencies and as provided in AQR 12.1.6(b). *[AQR 12.1.4.1(c)]*

Table 3-1. Potential to Emit (tons per year)

Pollutant	PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	H_2S	Pb
Total	0.14	0.14	0	0.25	0	23.54	0	0

2. The permittee shall not allow the actual emissions from the following individual emission units to exceed the PTE listed per year in Table 3-2, except for emission units intended only for use in emergencies and as provided in AQR 12.1.6(b). *[AQR 12.1.4.1(c)]*

Table 3-2. Source-Wide Emission Unit PTE Summary (tons per year)

EU	Throughput [1]	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC
A01 – A10	5,607 tons	0.07	0.07	0	0.25	0	0.53
B01	3,942 tons	0.01	0.01	0	0	0	0
B02-B04	2,497 tons	0.06	0.06	0	0	0	0
C01	13,140 gallons	0	0	0	0	0	20.83
C01	986 gallons	0	0	0	0	0	1.64

[1]The quantities in this column are not intended as enforceable permit limits unless stated otherwise in this permit.

Opacity

3. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for more than six consecutive minutes. *[AQR 26.1]*

4.0 COMPLIANCE DEMONSTRATION REQUIREMENTS

4.1 MONITORING

Visible Emissions [AQR 12.1.4.1(d)]

1. The responsible official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times.

2. The permittee shall conduct a visual emissions check at the facility, each week of operation.

3. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer's name.

4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following:

    a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or

    b. Call a certified Visible Emissions Evaluation (VEE) reader to perform a U.S. Environmental Protection Agency (EPA) Method 9 evaluation.

        i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.

        ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

            (1) The cause of the perceived exceedance;

            (2) The color of the emissions; and

            (3) Whether the emissions were light or heavy.

        iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:

            (1) The cause of the exceedance;

(2) The color of the emissions;

(3) Whether the emissions were light or heavy;

(4) The duration of the emissions; and

(5) The corrective actions taken to resolve the exceedance.

5. Any scenario of visible emissions noncompliance can and may lead to enforcement action.

Extruders [AQR 12.1.4.1(d)]

6. The permittee shall equip each extruder (EU: A01-A10) with a temperature gauge that continuously monitors the operating temperature of each emission unit.

7. The permittee shall monitor, each month of operation, the throughput of the pellets (HDPE, LDPE, VLDPE, PVC, TPU, TPV), loaded into the extruders (EU: A01-A10), in tons.

Grinders [AQR 12.1.4.1(d)]

8. The permittee shall monitor, each month of operation, the throughput of the resin (HDPE, LDPE, VLDPE, EVA), loaded into the grinder (EU: B01), in tons.

9. The permittee shall monitor, each month of operation, the throughput of the resin (HDPE, LDPE, VLDPE, EVA), loaded into the grinders (EU: B02-B04), in tons.

Adhesives [AQR 12.1.4.1(d)]

10. The permittee shall monitor, each month of operation, the consumption of the VOC-containing adhesive (D1085LT), in gallons.

11. If a substitute adhesive is used in place of (D1085LT), the permittee will calculate, each month of operation, the potential to emit (PTE) of the substitute adhesive (EU: C01) and verify there will be no projected exceedance in the annual limit of VOC (see Table 3-2).

12. The permittee shall monitor, each month of operation, the consumption of the VOC-containing adhesive (D1779), in gallons.

13. If a substitute adhesive is used in place of (D1779), the permittee will calculate, each month of operation, the potential to emit (PTE) of the substitute adhesive (EU: C01) and verify there will be no projected exceedance in the annual limit of VOC (see Table 3-2).

Cyclone – Genesis Grinder [AQR 12.1.4.1(d)]

14. The permittee shall conduct daily monitoring of the pressure drop across each cyclone (EU: B01) with the installation and operation of a pressure differential (Monometer) gauge per the manufacturer's operations and maintenance (O&M) manual for emissions-related components and good combustion practices.

15. The permittee shall visually inspect the cyclone interior (EU: B01) at least monthly for air leaks. Repairs to defective cyclone components shall be completed within five working days of the discovery of the malfunction. If the defective component causes the baghouse to exceed its particulate or opacity limits, material processing shall stop until baghouse repairs are completed.

16. The permittee shall have a standard operating procedures (SOP) manual for the cyclone (EU: B01). The procedures specified in the manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance.

17. The permittee shall conduct daily visual observations of the cyclone (EU: B01) and/or stack discharges to verify that visible emissions are not present in excess of allowable opacity limits. If they are, the permittee shall cease operations producing the emissions until the problem is corrected.

4.2 TESTING

No performance testing requirements have been identified.

4.3 RECORDKEEPING REQUIREMENTS

1. The permittee shall create and maintain the following records, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation: *[AQR 12.1.4.1(d)(2) & AQR 12.1.4.1(s)]*

Opacity

a. Dates and time when visible emissions checks and observations are taken and the steps taken to make any necessary corrections to bring opacity into compliance;

Inspections/Maintenance/General

b. Records of inspections and maintenance as required by this permit.

c. Manufacturer specification sheets for emission units (if applicable);

d. Manufacturer's O&M manual for emission units and/or control equipment (if available);

e. Manufacturer's specification sheet for filter media;

Extruders

f. Total monthly throughput (in tons) of the pellets (HDPE, LDPE, VLDPE, PVC, TPU, TPV), loaded into the extruders (EU: A01-A10);

g. Operating temperature of each extruder (EU: A01-A10), logged on a daily basis;

h. Safety Data Sheets (SDS) of VOC-containing pellets (HDPE, LDPE, VLDPE, PVC, TPU, TPV) shall be kept on-site by the permittee and made available to the Division of Air Quality upon request;

Grinders

i. Total monthly throughput (in tons) of the resin (HDPE, LDPE, VLDPE, EVA), loaded into the grinder (EU: B01);

j. Total monthly throughput (in tons) of the resin (HDPE, LDPE, VLDPE, EVA, loaded into the grinders (EU: B02-B04);

Adhesives

k. Total monthly consumption (in gallons) of the VOC-containing adhesive – D1085LT (EU: C01), or the substitute adhesive, used in place of D1085LT (if applicable);

l. Each month of operation, the calculated annual potential to emit (PTE) of VOC emissions from the substitute adhesive, used in place of D1085LT (if applicable);

m. Total monthly consumption (in gallons) of the VOC-containing adhesive – D1779 (EU: C01), or the substitute adhesive, used in place of D1779 (if applicable);

n. Each month of operation, the calculated annual potential to emit (PTE) of VOC emissions from the substitute adhesive, used in place of D1779 (if applicable);

o. Safety Data Sheets (SDS) of VOC-containing adhesives shall be kept on-site by the permittee and made available to the Division of Air Quality upon request;

Cyclone – Genesis Grinder

p. Daily pressure differential readings from the add-on cyclone (EU: B01);

Nonroad Engines

q. Records of location changes for nonroad engines, if applicable;

Emissions

r. Deviations from permit requirements that result in excess emissions (reported as required in Section 4.4 of this permit);

s. Deviations from permit requirements that do not result in excess emissions (reported annually); and

t. Annual emissions calculated for each emission unit and the entire source (reported annually).

2. The permittee shall include in each record above, where applicable, the date and time the monitoring or measurement was taken, the person performing the monitoring or measurement, and the emission unit or location where the monitoring or measurement was performed. Each record must also contain the action taken to correct any deficiencies, when applicable. *[AQR 12.1.4.1(d)(2)(A)]*

3. The permittee shall maintain all records for a period of at least five years from their creation. *[AQR 12.1.4.1(d)(2)(B)]*

4.4 REPORTING AND NOTIFICATION

1. The permittee is responsible for all applicable notification and reporting requirements contained in 40 CFR Parts 60 and 63.

2. If the construction or modification of a source differs from what was authorized in a new permit or significant permit revision, the source shall provide a written notice to the Control Officer that includes a list of the differences, and complete descriptions of each one, at least 30 days before commencing operations. *[AQR 12.1.4.1(n)]*

3. The permittee shall submit an annual report to the Control Officer in accordance with the following requirements. *[AQR 12.1.4.1(d)(3)]*

   a. Each annual report shall be: *[AQR 12.9]*

      i. Based on the preceding calendar year;

      ii. Submitted on or before March 31 of each year, even if there was no activity (if March 31 falls on a Saturday or Sunday, or on a state or federal holiday, the submittal shall be due on the next regularly scheduled business day); and

      iii. Addressed to the attention of the Control Officer.

   b. Each annual report shall contain, at a minimum:

      i. As the first page of text, a signed certification containing the sentence: "I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate, and complete." This statement shall be signed and dated by a responsible official of the company (a sample form is available from DAQ); *[AQR 12.9(g)]*

      ii. The calculated actual annual emissions from each emission unit, even if there was no activity, and the total calculated actual annual emissions for the source based on the emissions calculation methodology used to establish the PTE in the permit or an equivalent method approved by the Control Officer prior to submittal. *[AQR 12.9(c)(2)]*

4. The permittee shall report to the Control Officer any upset, breakdown, malfunction, emergency, or deviation that causes emissions of regulated air pollutants in excess of any

limits set by regulation or by this permit. The report shall be in two parts, as specified below: *[AQR 25.6.1 & AQR 12.1.4.1(d)(3)(B)]*

a. Within 24 hours of the time the permittee learns of the event, the permittee shall notify DAQ by phone at (702) 455-5942, by fax at (702) 383-9994, or by email at AQCompliance@ClarkCountyNV.gov.

b. Within 72 hours of the required notification, the permittee shall submit a detailed written report to DAQ containing the information required by AQR 25.6.3.

5. The permittee shall report deviations from permit requirements that do not result in excess emissions, including those attributable to upset conditions as defined in the permit, with the annual report. Such reports shall include the probable cause of such deviations, as well as any corrective actions or preventive measures taken. *[AQR 12.1.4.1(d)(3)(B)]*

6. Any report and/or compliance certification submitted pursuant to this section or the AQR shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this section, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.1.4.1(d)(3)(C)]*

5.0 ADMINISTRATIVE REQUIREMENTS

5.1 GENERAL

1. The permittee must comply with all permit conditions. Noncompliance with any condition is a violation of the AQRs and grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a renewal application. *[AQR 12.1.4.1(r)]*

2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall be unaffected and remain valid. *[AQR 12.1.4.1(i)]*

3. The terms and conditions of this permit apply to any part or activity of the stationary source that emits, or has the potential to emit, any regulated air pollutant for which operating authority has been granted, and includes all third parties (such as lessees or contractors) conducting such activities. *[AQR 12.1.4.1(c) & AQR 12.1.4.1(aa)]*

4. Any application, report, or compliance certification submitted to the Control Officer pursuant to this permit or the AQRs shall contain a certification of truth, accuracy, and completeness with a responsible official's original signature. *[AQR 12.1.3.6(a), AQR 12.1.4.1(d)(3), & 40 CFR Part 3]*

5. As a condition of the issuance of the permit, the owner or operator agrees to permit inspection of the premises to which the permit relates, including the location where records must be kept under the conditions of the permit, by any authorized representative of the Control Officer at any time during the permittee's hours of operation without prior notice to perform the following: *[AQR 12.1.4.1(s)]*

   a. Access and copy any records that must be kept under the conditions of the permit;

   b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

   c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and

   d. Document alleged violations using such devices as cameras or video equipment.

6. The permittee shall pay fees to the Control Officer consistent with the approved fee schedule in AQR 18. *[AQR 12.1.4.1(k)]*

7. This permit does not convey property rights of any sort, or any exclusive privilege. *[AQR 12.1.4.1(t)]*

8. Anyone issued a permit under AQR 12 shall post the permit in compliance with AQR 12.13. *[AQR 12.1.4.1(v)]*

9. This permit shall not waive, or make less stringent, any limitations or requirements contained in or issued under the Nevada state implementation plan (SIP), or that are otherwise federally enforceable. *[AQR 12.1.4.1(w)]*

10. Except as provided in AQR 12.1.6, no person shall commence construction of, operate, or make a modification to a minor source except in compliance with a minor source permit that authorizes such construction, operation, or modification. *[AQR 12.1.3.1(a)]*

11. The permittee's commencement of operations constitutes an acknowledgment that the permittee assumes the responsibility of ensuring the source's emission units and emission control equipment have been constructed and will be operated in compliance with all applicable requirements. *[AQR 12.1.4.2]*

12. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of the permit. *[AQR 12.1.4.1(o)]*

5.2 RENEWALS AND REVISIONS

1. This permit may be modified, revoked, reopened and reissued, or terminated for cause by the Control Officer. The filing of a request by the permittee for a permit modification, termination, or of a notification of planned changes or anticipated noncompliance, does not stay any permit condition. *[AQR 12.1.4.1(p)]*

2. The permittee shall furnish to the Control Officer, in writing and within a reasonable time, any information that the Control Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Control Officer copies of records that the permit requires keeping. The permittee may furnish records deemed confidential to the Control Officer with a claim of confidentiality, pursuant to AQR 12.6. *[AQR 12.1.4.1(u)]*

3. Any revision of an emission limitation, monitoring, testing, reporting, or recordkeeping requirement shall be made consistent with the permit revision requirements in AQR 12.1.6. *[AQR 12.1.4.1(e)]*

4. A permit may be reopened and revised under any of the following circumstances: [AQR *12.1.4.1(q)]*

    a. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Control Officer, excess emissions offset plans shall be deemed to be incorporated into the permit.

    b. The Control Officer determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

c. The Control Officer determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

d. Proceedings to reopen and issue a permit shall follow the same procedures that apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

5. For the renewal of an existing minor source permit, a timely application shall be submitted to the Control Officer. An application for renewal shall be deemed to be timely if it is submitted at least 120 days, but no more than 270 days, before the date of permit expiration. *[AQR 12.1.3.1(b)]*

6. To be deemed complete, an application must contain all information required under AQR 12.1.3.6, and must be accompanied by payment of the applicable fee(s) established in AQR 18. If, while processing an application deemed complete, the Control Officer determines that additional information is needed to evaluate or take final action on the application, he or she may request such information in writing and set a reasonable deadline for its submission. Failure to provide the additional information required by the Control Officer by the deadline could result in denial of the application. *[AQR 12.1.3.3]*

7. If an existing minor source submits a timely and complete application for renewal of a minor source permit, the source's continued operation after permit expiration and before issuance of the renewed permit is not a violation of the AQRs. This application shield shall cease to apply if, after a completeness determination, the applicant fails to submit any additional information identified as necessary to process the application by a deadline the Control Officer has specified in writing, or if the renewed permit is denied for any other reason. *[AQR 12.1.3.4]*

8. If the submittal of an application for renewal of an existing minor source permit is not timely, there is no permit application shield as provided in AQR 12.1.3.4, and the source loses its authority to operate upon permit expiration until the renewal permit is issued. *[AQR 12.1.3.1]*

9. If an application for renewal of an existing minor source permit is submitted within six months after permit expiration, the source loses its authority to operate upon permit expiration until the renewal permit is issued. *[AQR 12.1.3.1(c)]*

10. If an application for the renewal of an existing minor source permit is submitted six months or more after permit expiration, the source loses its authority to operate upon permit expiration; the source will be treated as a new minor source, and the application will be subject to all the requirements of AQR 12.1.3.6. *[AQR 12.1.3.1(d)]*